OIPE IAP68
OCT 13 2005
PATENT & TRADEMARK OFFICE

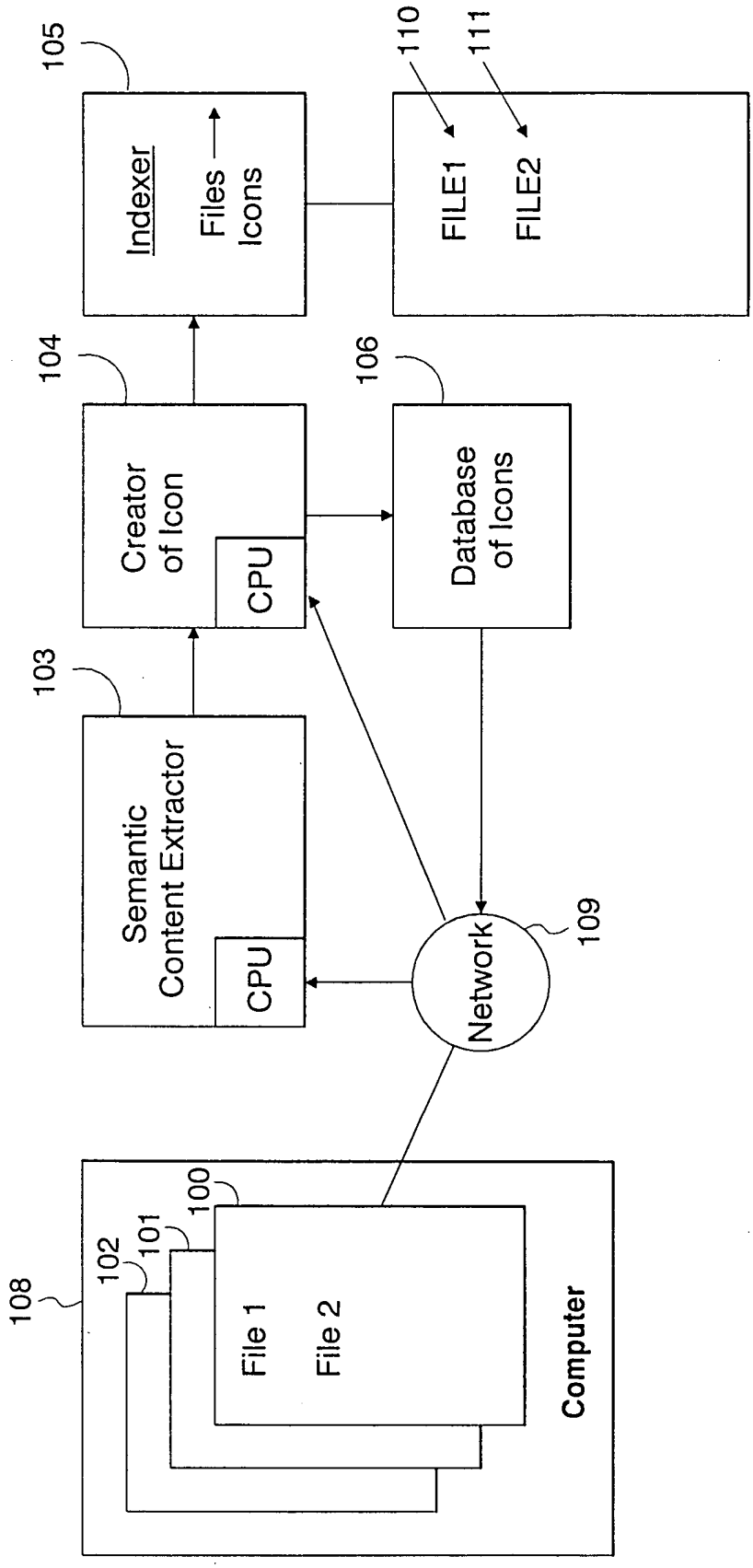

Figure 1

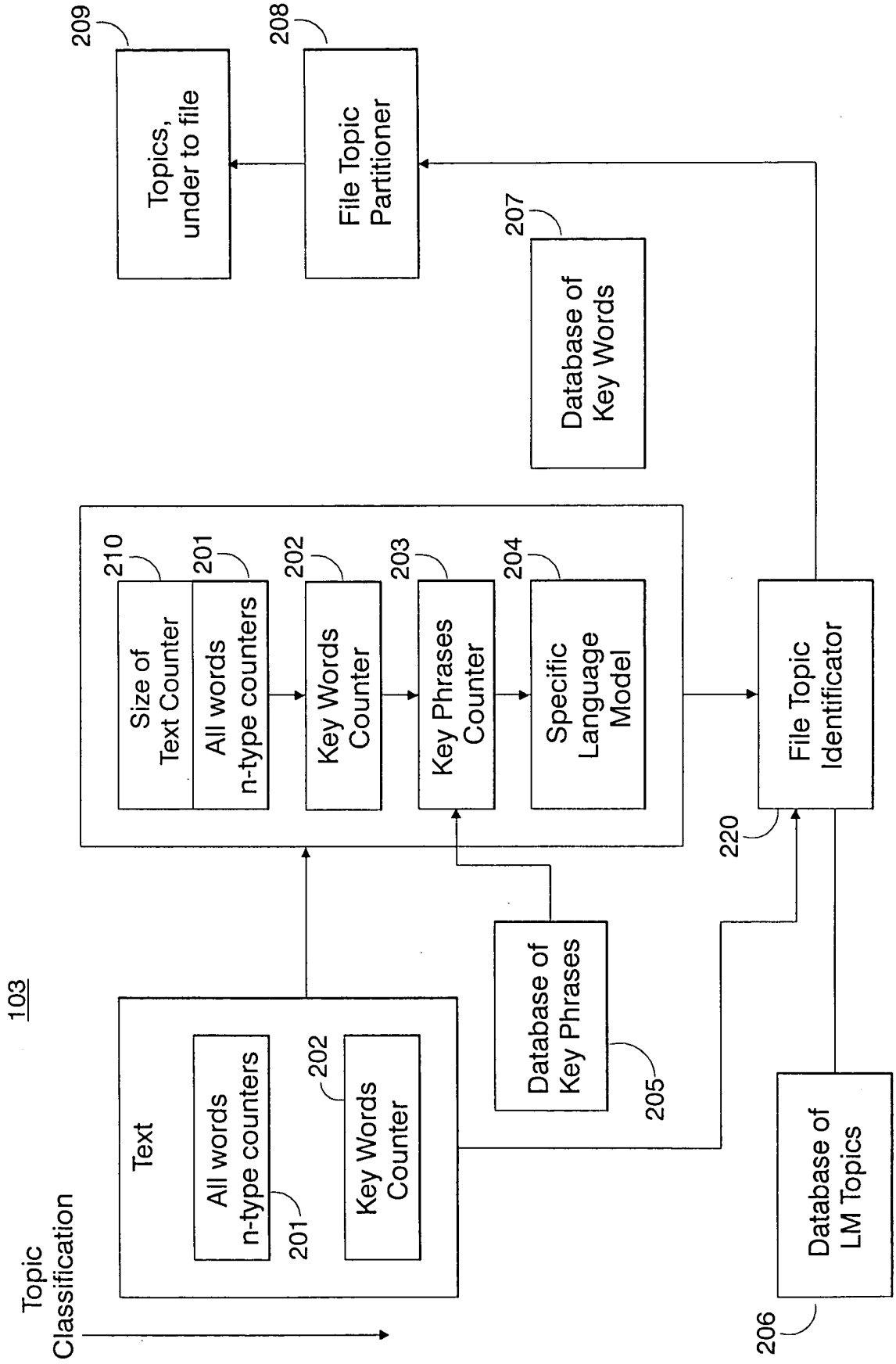
Topic Classification
103
Text
All words n-type counters
201
Key Words Counter
202
Database of Key Phrases
205
Database of LM Topics
206
220
File Topic Identificator
Size of Text Counter
210
All words n-type counters
201
Key Words Counter
202
Key Phrases Counter
203
Specific Language Model
204
Database of Key Words
207
File Topic Partitioner
208
Topics, under to file
209

Figure 2

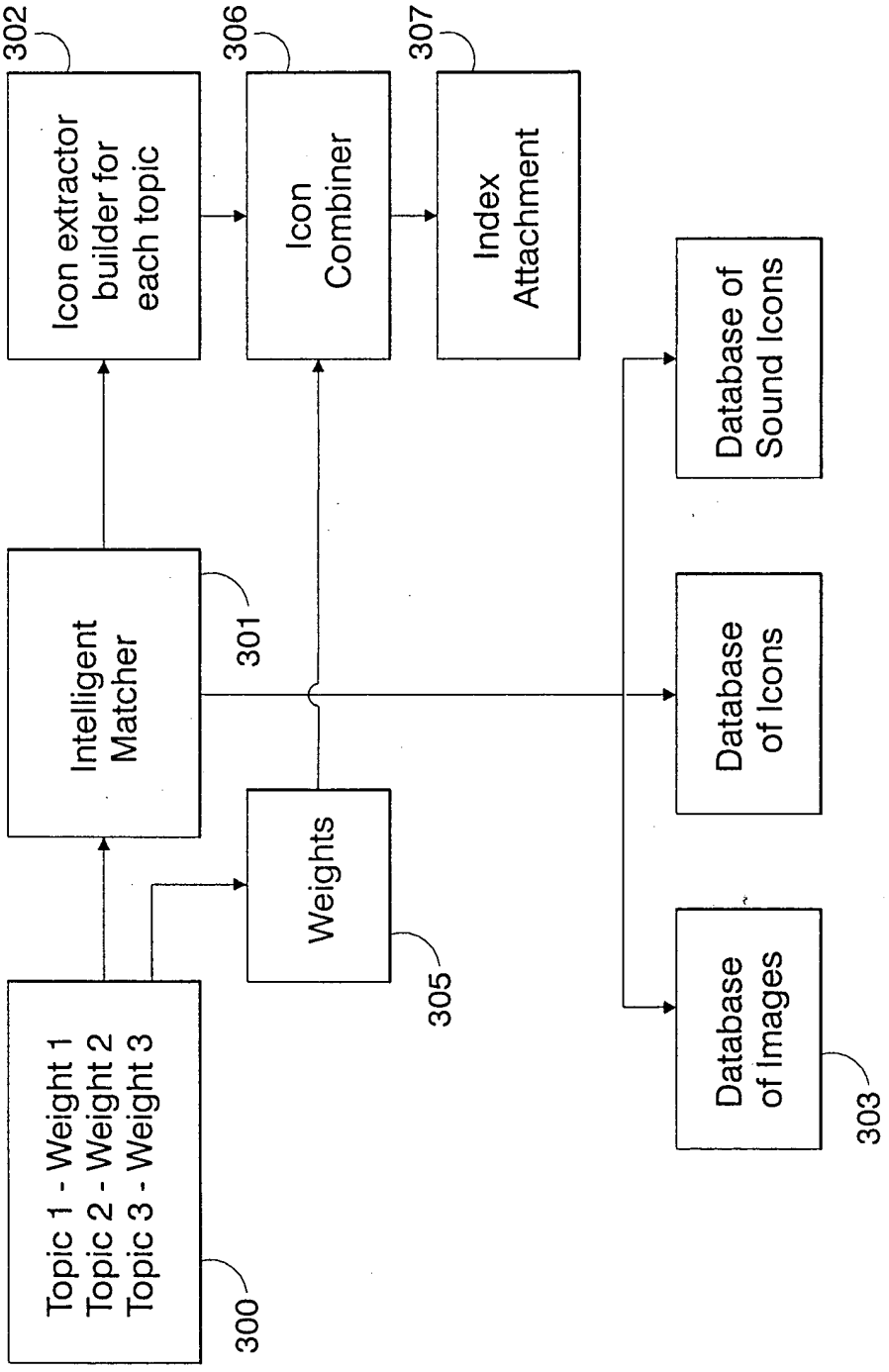
Topic 1 - Weight 1
Topic 2 - Weight 2
Topic 3 - Weight 3
300
Intelligent Matcher
301
Weights
305
Icon extractor builder for each topic
302
Icon Combiner
306
Index Attachment
307
Database of Images
303
Database of Icons
Database of Sound Icons

Figure 3

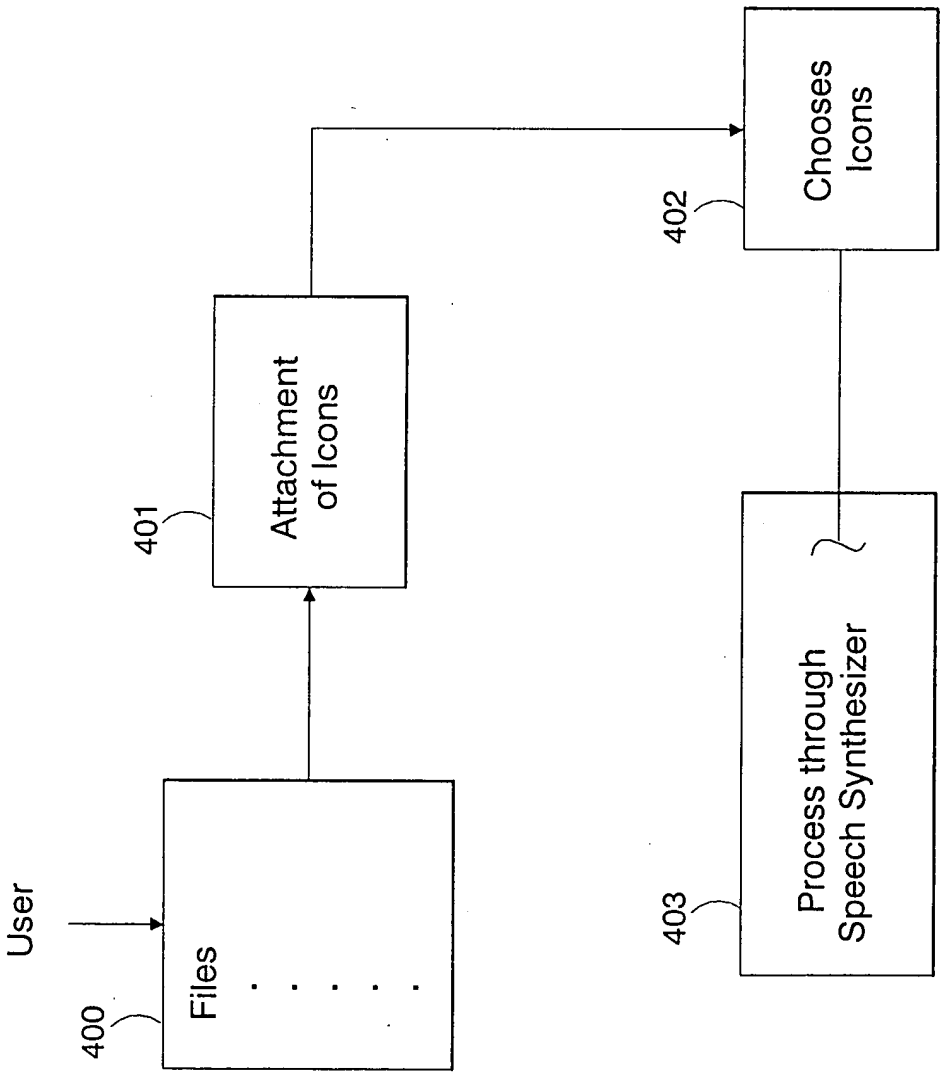
User
400
Files
401
Attachment of Icons
402
Chooses Icons
403
Process through Speech Synthesizer

Figure 4

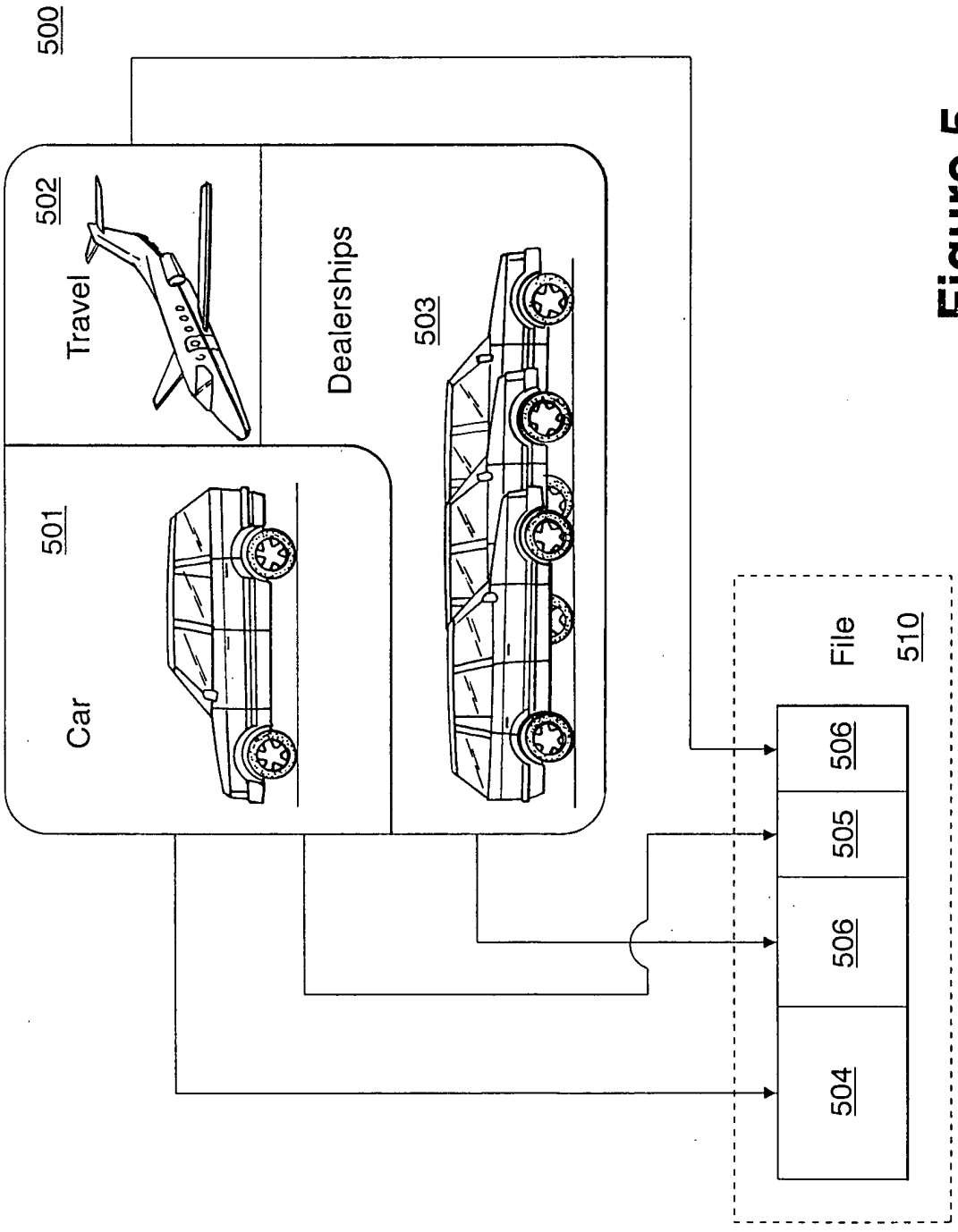
500
502
Travel
Dealerships
503
501
Car
File
510
506
505
506
504

Figure 5

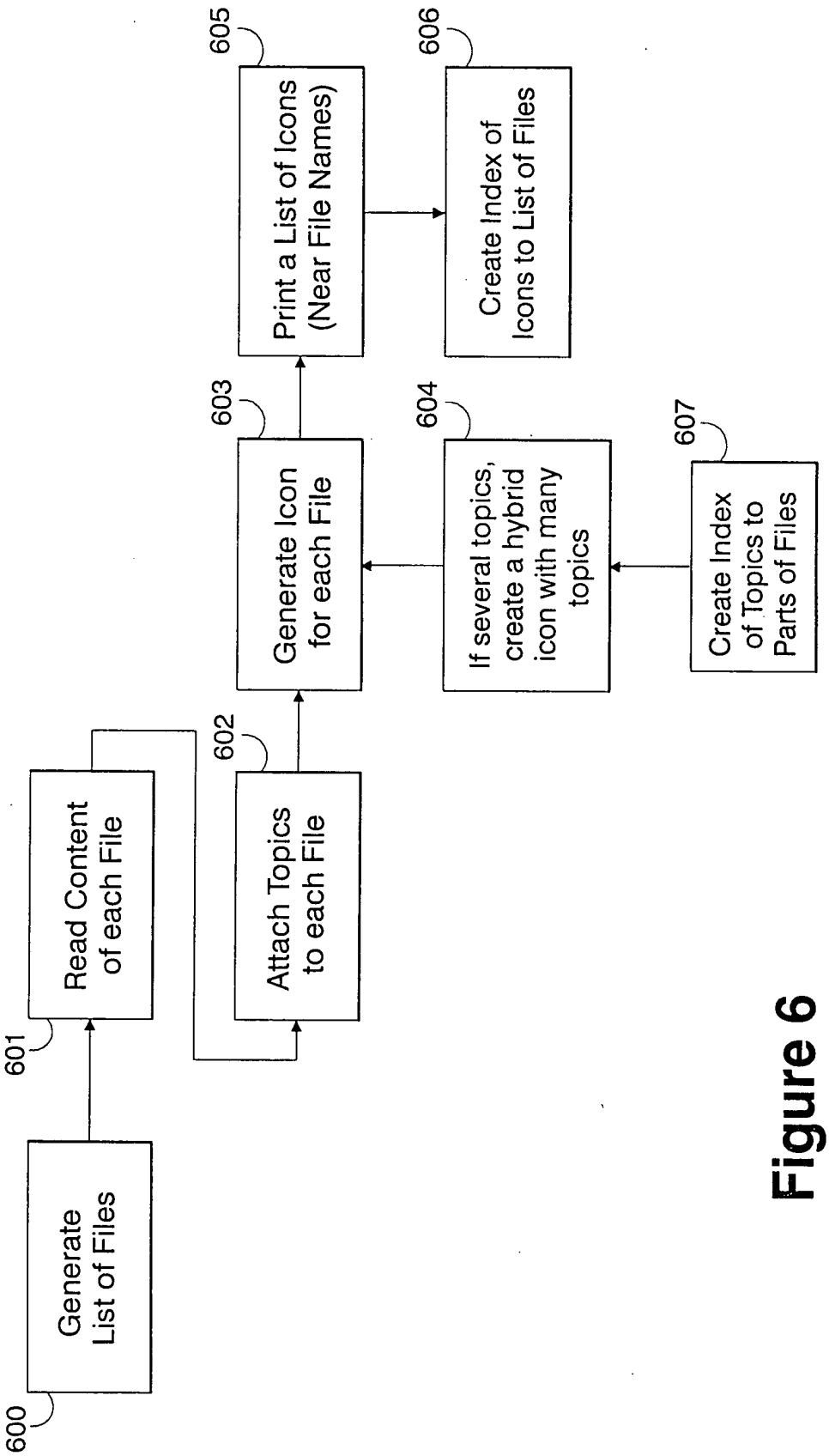
600
Generate List of Files
601
Read Content of each File
602
Attach Topics to each File
603
Generate Icon for each File
604
If several topics, create a hybrid icon with many topics
605
Print a List of Icons (Near File Names)
606
Create Index of Icons to List of Files
607
Create Index of Topics to Parts of Files

Figure 6